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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Office of the Secretary Of Defense **Date:** March 2024

Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 5: System Development & Demonstration (SDD)	R-1 Program Element (Number/Name) PE 0604133D8Z I Alpha-1 Development Activities
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	-	0.000	0.000	53.307	-	53.307	71.412	103.112	103.115	103.117	Continuing	Continuing
081: Alpha-1 Development	-	-	-	53.307	-	53.307	71.412	103.112	103.115	103.117	Continuing	Continuing

A. Mission Description and Budget Item Justification

The CDAO goal and strategy is to enable DOD Components to build AI/ML capabilities more easily, securely, reliably, and responsibly. ALPHA-I's mission is to eliminate the gap between AI's R&D, DEV-OPS, Acquisition, and data-pipeline deployment while providing all the ML-OPS tools for the DoD at Scale. Alpha-I should provide a service to the department that is responsible for strengthening and integrating data, analytics, artificial intelligence and machine learning (AI/ML), Development Operations, and digital solutions. This will be accomplished via collaboration and integration with existing and emerging DoD AI/ML programs and projects, and by selectively making investments to create portfolios of common, interoperable capabilities, tools, and services to enable the development and adoption of AI/ML across the DoD. Enterprise Services, Interoperability, and Collaboration will be key to develop, provide, broker, and advise on the design and development of infrastructure, apps, tools, and services needed by the variation of customers across the warfighting domains and platforms. Specifically focusing the tool sets to support the building of AI within narrow AI, generative AI and autonomy. As the market continues to mature rapidly in technology, intelligence, etc., the CDAO will continue to adapt and prioritize work based on the Department's need, delivering the mix of capabilities and best practices that will help all DOD components. Delivery of requirements, data labeling, data mesh, consulting, and continuing of Testing and Evaluation will be critical for DOD if they want to succeed in any type of conflicts moving forward.

B. Program Change Summary (\$ in Millions)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025 Base</u>	<u>FY 2025 OCO</u>	<u>FY 2025 Total</u>
Previous President's Budget	0.000	0.000	53.307	-	53.307
Current President's Budget	0.000	0.000	53.307	-	53.307
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 081: Alpha-1 Development

Congressional Add: None

Congressional Add Subtotals for Project: 081

	FY 2023	FY 2024
	0.000	0.000
Congressional Add Subtotals for Project: 081	0.000	0.000

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Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0604133D8Z / <i>Alpha-1 Development Activities</i>
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Congressional Add Details (\$ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Congressional Add Totals for all Projects	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Office of the Secretary Of Defense **Date:** March 2024

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0604133D8Z / <i>Alpha-1 Development Activities</i>	Project (Number/Name) 081 / <i>Alpha-1 Development</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
081: <i>Alpha-1 Development</i>	-	-	-	53.307	-	53.307	71.412	103.112	103.115	103.117	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

AI/ML development in the DoD has a high barrier to entry in terms of cost, certification to operate, workforce expertise, contracting, etc. DoD entities often independently solve the same problems and develop solutions that are not interoperable with other efforts. Alpha-1 aims to provide enterprise services for DoD AI/ML development to give a baseline to DoD AI/ML projects. Services provided by Alpha-1 will be employed at the discretion of the partnering projects. CDAO will fund and provide some amount of capabilities, partnering projects which can elect to augment with additional funds or capabilities.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2023	FY 2024	FY 2025
Title: Alpha-1 Development	0.000	0.000	53.307
<p>Description: The CDAO goal and strategy is to enable DOD Components to build AI/ML capabilities more easily, securely, reliably, and responsibly. ALPHA-I's mission is to eliminate the gap between AI's R&D, DEV-OPS, Acquisition, and data-pipeline deployment while providing all the ML-OPS tools for the DoD at Scale. Alpha-I should provide a service to the department that is responsible for strengthening and integrating data, analytics, artificial intelligence and machine learning (AI/ML), Development Operations, and digital solutions. This will be accomplished via collaboration and integration with existing and emerging DoD AI/ML programs and projects, and by selectively making investments to create portfolios of common, interoperable capabilities, tools, and services to enable the development and adoption of AI/ML across the DoD. Enterprise Services, Interoperability, and Collaboration will be key to develop, provide, broker, and advise on the design and development of infrastructure, apps, tools, and services needed by the variation of customers across the warfighting domains and platforms. Specifically focusing the tool sets to support the building of AI within narrow AI, generative AI and autonomy. As the market continues to mature rapidly in technology, intelligence, etc., the CDAO will continue to adapt and prioritize work based on the Department's need, delivering the mix of capabilities and best practices that will help all DOD components. Delivery of requirements, data labeling, data mesh, consulting, and continuing of Testing and Evaluation will be critical for DOD if they want to succeed in any type of conflicts moving forward.</p>			
<p>FY 2024 Plans: The CDAO goal and strategy is to enable DOD Components to build AI/ML capabilities more easily, securely, reliably, and responsibly. ALPHA-I's mission is to eliminate the gap between AI's R&D, DEV-OPS, Acquisition, and data-pipeline deployment while providing all the ML-OPS tools for the DoD at Scale. Alpha-I should provide a service to the department that is responsible for strengthening and integrating data, analytics, artificial intelligence and machine learning (AI/ML), Development Operations, and digital solutions. This will be accomplished via collaboration and integration with existing and emerging DoD AI/ML programs and</p>			

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Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0604133D8Z / <i>Alpha-1 Development Activities</i>	Project (Number/Name) 081 / <i>Alpha-1 Development</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
<p>projects, and by selectively making investments to create portfolios of common, interoperable capabilities, tools, and services to enable the development and adoption of AI/ML across the DoD. Enterprise Services, Interoperability, and Collaboration will be key to develop, provide, broker, and advise on the design and development of infrastructure, apps, tools, and services needed by the variation of customers across the warfighting domains and platforms. Specifically focusing the tool sets to support the building of AI within narrow AI, generative AI and autonomy. As the market continues to mature rapidly in technology, intelligence, etc., the CDAO will continue to adapt and prioritize work based on the Department’s need, delivering the mix of capabilities and best practices that will help all DOD components. Delivery of requirements, data labeling, data mesh, consulting, and continuing of Testing and Evaluation will be critical for DOD if they want to succeed in any type of conflicts moving forward.</p> <p>FY 2025 Plans: Alpha-1 PE was approved to enable DOD Components to build AI/ML capabilities more easily, securely, reliably, and responsibly. ALPHA-I’s mission is to eliminate the gap between AI’s R&D, DEV-OPS, Acquisition, and data-pipeline deployment while providing all the ML-OPS tools for the DoD at Scale. Alpha-I should provide a service to the department that is responsible for strengthening and integrating data, analytics, artificial intelligence and machine learning (AI/ML), Development Operations, and digital solutions. This will be accomplished via collaboration and integration with existing and emerging DoD AI/ML programs and projects, and by selectively making investments to create portfolios of common, interoperable capabilities, tools, and services to enable the development and adoption of AI/ML across the DoD. Enterprise Services, Interoperability, and Collaboration will be key to develop, provide, broker, and advise on the design and development of infrastructure, apps, tools, and services needed by the variation of customers across the warfighting domains and platforms. Specifically focusing the tool sets to support the building of AI within narrow AI, generative AI and autonomy. As the market continues to mature rapidly in technology, intelligence, etc., the CDAO will continue to adapt and prioritize work based on the Department’s need, delivering the mix of capabilities and best practices that will help all DOD components. Delivery of requirements, data labeling, data mesh, consulting, and continuing of Testing and Evaluation will be critical for DOD if they want to succeed in any type of conflicts moving forward.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Alpha-1 PE was approved to enable DOD Components to build AI/ML capabilities more easily, securely, reliably, and responsibly. ALPHA-I’s mission is to eliminate the gap between AI’s R&D, DEV-OPS, Acquisition, and data-pipeline deployment while providing all the ML-OPS tools for the DoD at Scale. Alpha-I should provide a service to the department that is responsible for strengthening and integrating data, analytics, artificial intelligence and machine learning (AI/ML), Development Operations, and digital solutions. This will be accomplished via collaboration and integration with existing and emerging DoD AI/ML programs and projects, and by selectively making investments to create portfolios of common, interoperable capabilities, tools, and services to enable the development and adoption of AI/ML across the DoD. Enterprise Services, Interoperability, and Collaboration will be key to develop, provide, broker, and advise on the design and development of infrastructure, apps, tools, and services needed by the variation of customers across the warfighting domains and platforms. Specifically focusing the tool sets to support the building of AI within narrow AI, generative AI and autonomy. As the market continues to mature rapidly in technology, intelligence, etc.,</p>			

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
the CDAO will continue to adapt and prioritize work based on the Department’s need, delivering the mix of capabilities and best practices that will help all DOD components. Delivery of requirements, data labeling, data mesh, consulting, and continuing of Testing and Evaluation will be critical for DOD if they want to succeed in any type of conflicts moving forward.			
Accomplishments/Planned Programs Subtotals	0.000	0.000	53.307

	FY 2023	FY 2024
Congressional Add: None	0.000	0.000
FY 2023 Accomplishments: none		
FY 2024 Plans: none		
Congressional Adds Subtotals	0.000	0.000

C. Other Program Funding Summary (\$ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Office of the Secretary Of Defense		Date: March 2024
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Remarks
The CDAO goal and strategy is to enable DOD Components to build AI/ML capabilities more easily, securely, reliably, and responsibly. ALPHA-I's mission is to eliminate the gap between AI's R&D, DEV-OPS, Acquisition, and data-pipeline deployment while providing all the ML-OPS tools for the DoD at Scale. Alpha-I should provide a service to the department that is responsible for strengthening and integrating data, analytics, artificial intelligence and machine learning (AI/ML), Development Operations, and digital solutions. This will be accomplished via collaboration and integration with existing and emerging DoD AI/ML programs and projects, and by selectively making investments to create portfolios of common, interoperable capabilities, tools, and services to enable the development and adoption of AI/ML across the DoD. Enterprise Services, Interoperability, and Collaboration will be key to develop, provide, broker, and advise on the design and development of infrastructure, apps, tools, and services needed by the variation of customers across the warfighting domains and platforms. Specifically focusing the tool sets to support the building of AI within narrow AI, generative AI and autonomy. As the market continues to mature rapidly in technology, intelligence, etc., the CDAO will continue to adapt and prioritize work based on the Department's need, delivering the mix of capabilities and best practices that will help all DOD components. Delivery of requirements, data labeling, data mesh, consulting, and continuing of Testing and Evaluation will be critical for DOD if they want to succeed in any type of conflicts moving forward.

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Office of the Secretary Of Defense		Date: March 2024
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FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Alpha-1 Development	
Alpha-1 Development Activities	[REDACTED]

FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Alpha-1 Development	
Alpha-1 Development Activities	

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Office of the Secretary Of Defense		Date: March 2024
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Alpha-1 Development</i>				
Alpha-1 Development Activities	4	2016	3	2017